

AMENDED CLAIM SET:

1. (currently amended) A multi-layer pressure pipe ~~having a pressure category of PN 16 or greater according to ISO Standard 4065, said pipe comprising seamlessly attached successive layers of~~ an extruded polyolefin matrix ~~having a melt flow rate (MFR₂)(230°C, 2.16 kg) of greater than 1~~ containing ~~about 25 to 75% by weight~~ cross-oriented long-fiber-reinforced layers, wherein the multi-layer pressure pipe is formed by cone extrusion ~~using as the extruder through~~ a cone extruder which cross-orientes the reinforcement fibers in the extruded material in the seamlessly attached successive layers to ~~provide a pressure pipe having a pressure category of PN 16 or greater according to ISO Standard 4065.~~

2. (cancelled).

3. (previously presented) A multi-layer pressure pipe according to claim 1, wherein the melt flow rate (MFR₂)(230°C, 2.16 kg) of the polyolefin is from about 10-18g/10 min.

4. (previously presented) A multi-layer pressure pipe according to claim 1, wherein the polyolefin is polypropylene and wherein the long-fiber reinforcements are glass fibers.

5. (previously presented) A multi-layer pressure pipe according to claim 1, wherein the length of the long-fiber reinforcements is at least 30 times the diameter of the long-fiber reinforcements.

6. (previously presented) A multi-layer pressure pipe according to claim 1, wherein the length of the long-fiber reinforcements in the pressure pipe is on the order of magnitude of from about 2-15 mm.

7. (cancelled).

8. (previously presented) A multi-layer pressure pipe according to claim 1, wherein the pressure pipe has a double-layer structure.

9. (previously presented) A multi-layer pressure pipe according to claim 1, wherein the pressure pipe has a four-layer structure.

10. (previously presented) The multi-layer pressure pipe of claim 1, wherein the reinforcement fibers are oriented at 53° with respect to the longitudinal direction of the pipe.

11. (currently amended) ~~A The multi-layer pressure pipe of claim 1, having a pressure category of PN 16 or greater according to ISO Standard 4065, said pipe comprising seamlessly attached successive layers of an extruded polyolefin matrix having a melt flow rate (MFR₂)(230°C, 2.16 kg) of greater than 1 containing about 25 to 75% by weight long-fiber-reinforced layers, wherein the multi-layer pressure pipe is formed by cone extrusion through a cone extruder which cross-orientes the reinforcement fibers in the extruded material in the seamlessly attached successive layers, said pipe~~ comprising at least two successive layers of extruded plastic material seamlessly attached to each other, wherein the plastic material is a polyolefin containing long-fiber reinforcement and wherein the reinforcement fibers in each successive layer are oriented in the same direction ~~direct~~ throughout the layer and are cross-oriented with respect to the adjacent successive layer.